

INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 03/03667

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 B21F43/00 B21F27/08 B21F27/00 B21F1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B21F B21C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2 684 087 A (STOCKTON RAYMOND F) 20 July 1954 (1954-07-20) column 3, line 44 - column 4, line 74 column 1, lines 9-14; figures 1-5	1-4, 10, 11, 46, 49-51
X	DE 10 29 788 B (DORSTENER DRAHTWERKE H W BRUNE) 14 May 1958 (1958-05-14) column 1, lines 28-41 column 2, lines 25-49; figures 1,2	1-3, 38, 46, 47
A	FR 2 822 736 A (RENAULT) 4 October 2002 (2002-10-04) page 7, lines 12-14 page 8, lines 5-9 page 8, lines 25-28; figures 1,4	18, 52

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

14 July 2004

Date of mailing of the international search report

23/07/2004

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 2684087	A	20-07-1954	NONE	
DE 1029788	B	14-05-1958	NONE	
FR 2822736	A	04-10-2002	FR 2822736 A1	04-10-2002